

2003 Infrastructure Systems Conference, 6-8 May 2003, Bally's Hotel, Las Vegas, Nevada

Security Engineering Workshop & Dam Safety Workshop

Tuesday, 6 May 2003; 1:30 PM - 8:00PM

| Workshop | Security Engineering 1 | Security Engineering 2 | Dam Safety |
|------------------------------------|---------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Room | Platinum Room | Gold Room | Silver Room |
| Subject | Antiterrorism Overview I | | Dam Safety Projects |
| Moderator | Joe Hartman, HQ USACE | | Tommy Schmidt, CESWD |
| 1:30 PM - 3:00 PM | Security Engineering Overview (60min); Dan Sommer, CENWO | | Skiatook Dam Safety Assurance Project - Randel Mead, CESWT |
| | Physical Security Overview; Terry Ryan, CECS | | Table Rock Auxiliary Gated Spillway, Dam Safety Assurance Program - Mark Harris, CESWL |
| | | | Mississinewa Cutoff Wall - Steve Hornbeck, CELRL |
| 3:00 PM - 4:00 PM | Exhibit Hall Visit | | |
| Moderator | Joe Hartman, HQ USACE | | Robert Fulton, CESAD |
| 4:00 PM - 5:30 PM | CBR Overview; Rich Heiden,CENWO | | Review Of Geology, Seepage History & Investigations, Walter F. George Lock, Dam & Powerhouse, AL & GA - James H. Sanders, CESAM |
| | Electronic Security Systems Overview; Pete Brake, CEHNC | | Major Rehabilitation Evaluation, Walter F. George Lock, Dam & Powerhouse, AL & GA - Michael A. McKown, CESAM |
| | Explosive Safety Overview; Bill Zehrt, CEHNC | | Concrete Cutoff Wall, Walter F. George Lock, Dam & Powerhouse, AL & GA - Don Simpson, CESAM |
| 5:30 PM - 8:00 PM | Exhibit Hall Visit | | |
| Wednesday, 7 May 7:00 AM - 8:00 PM | | | |
| 6:30 AM - 8:00 AM | Exhibit Hall and Coffee | | |
| Subject | Antiterrorism Overview II | | |
| Moderator | Jim Caulder, AFCESA | | Robert Taylor, CELRD |
| 8:00 AM - 9:30 AM | Entry Control Facilities I (45min); Bob Moriarty, AFBL | | Dam Safety Instrumentation & Emergency Plan Roster Update Computer Programs - Robert L. Hill and John R. Wise, CESWF |
| | Entry Control Facilities II (45min); Brian Crowder, NAVFAC, and Andrew Varnava, NFESC | | An Instrumentation Software Project; Raynell Napier, CELRH |
| | | | Impacts to structures, concrete erosion, and inspection (Tappan, Leesville, Piedmont, and Clendening Dams) - Raynell Napier, CELRH |
| 9:30 AM - 10:30 AM | Exhibit Hall Visit | | |
| Moderator | Jim Caulder, AFCESA | | Milton Myers, CEERD |
| 10:30 AM - 12:00 PM | AT/FP policies for DoD; Joel Bradshaw, DoD | | Dam Safety Risk Analysis of Dam Gates - Stuart Foltz, CEERD |
| | DOD Minimum Standards; Joe Hartman HQ USACE | | Methodology For Risk Analysis Of Dam Gates And Associated Operating Equipment Using Fault-Tree Analysis - Robert C Patev & Chandra S. Putcha, CENAE |
| | AT/FP Web Resource Initiatives; Owen Hewitt, NAVFAC | | Seismic Response of Earth Dams on Liquefiable Foundations and Compaction Remediation - Michael K. Sharp & Korhan Adalier, CEERD |
| 1200 PM - 2:00 PM | Lunch and Exhibit Hall Visit | | |

Security Engineering Workshop & Dam Safety Workshop

| Room | Platinum Room | Gold Room | Silver Room |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subject | Vulnerability Assessment | Better Buildings | |
| Moderator | Dan Sommer, CENWO | John Lynch, NAVFAC | Duane Stagg, CEMVD |
| 2:00 PM - 3:30 PM | Joint AT Guide (45min); Jerry Love, CEERD-GSL | Wall Retrofits I; Mike Hammons, AFCESA | Canton Dam Safety Assurance Project; Randel Mead, CESWT |
| | Joint Staff Integrated Vulnerability Assessment (45min); Marion Andrews, DTRA | CMU Wall Retrofits; Jim Davis, CEERD-GSL | Fusegate Systems; Hasan Kocahan, Hydroplus, Inc. |
| | | Windows and Frames; Ed Conrath, CENWO | Homme Dam, A Case History; Neil T. Schwanz, CEMVP |
| 3:30 PM - 4:00 PM | Exhibit Hall Visit | | |
| Moderator | Dan Sommer, CENWO | John Lynch, NAVFAC | Laila Berre, CENWD |
| 4:00 PM - 5:30 PM | DoD Critical Infrastructure Protection; Jerry Zekert, CEMP-I | Progressive Collapse (60min); John Lynch, NAVFAC | Affected Environment Evaluation, Impact Avoidance, and Offset for Major Dam Safety Modifications; David R. Hoover, Brian A. McNulty, & William B. Empson, CENWK |
| | GIS Applications for Antiterrorism Programs; Nancy Blyler, CECW-E | | Evaluation Of Alternatives For Earthquake Hazard Mitigation Of An Embankment Dam In Kansas; Vlad Perlea, David Mathews, & William Empson, CENWK |
| | Blast Effects Estimation Module; Pat Lindsey, CENWO | Explosive Safety Mitigation; Bill Zehrt, CEHNC | Community Outreach and Risk Communication for Major Dam Safety Modifications; William B. Empson, Brian A. McNulty, & David R. Hoover, CENWK |
| 5:30 PM - 8:00 PM | Exhibit Hall Visit | | |
| Thursday, 8 May 7:00 AM - 12:00 PM | | | |
| 6:30 AM - 8:00 AM | Exhibit Hall and Coffee | | |
| Subject | Water Projects | Antiterrorism R&D | |
| Moderator | Ed Hecker, HQ USACE | Tom Slawson, CEERD-GSL | Daniel Rodriguez, CENAD |
| 8:00 AM - 9:30 AM | Interagency Forum on Infrastructure Protection; Terry Ryan, CECS | Exterior Window & Wall Blast Resistant Systems (45min); Trent Townsend, CEERD-GSL | A Dam Safety Officer's Risks & Lessons Learned; Bruce Murray, CELRL |
| | USACE Program Overview; John Meador, CECW-B | Floating and Underwater Barriers (45min); Bill Seelig and Bob Taylor, NFESC | Heavy Rains and Murphy's Law - Tales of the Unexpected; Donald Dunn, CESWL |
| | Burec Security Program; Dave Achterberg, BUREC | | Critical Lessons Learned From Extreme Flood Event Canyon Dam, Texas; John R. Wise, CESWF |
| 9:30 AM - 10:30 AM | Exhibit Hall Visit | | |
| Moderator | Edward Hecker, HQ USACE | Tom Slawson, CEERD-GSL | Leon Holden, CESPd |
| 10:30 AM - 12:00 PM | RAM-D and Lessons Learned; Bryan Cisar, CENWO | Blast Resistant Concrete Columns; Doug Sunshine, DTRA | Spillway Erosion From Extreme Flood Event Canyon Dam, Texas; Douglas Massoth, CESWF |
| | Navy Waterfront Security; John Lynch, NAVFAC | Blast Resistant Steel Stud Walls; Jeff Fisher, AFRL | Sardis Lake Spillway Backfill Drain Replacement; Eric Woerner & Al Hitchcock, CEMVK |
| | R&D plans, Mary Ellen Hynes, CEERD-GSL | Perimeter Wall Debris and Blast Mitigation; Carol Johnson, CEERD-GSL | Introduction of Incoming Corps Dam Safety Officer; Charlie Baldi, CECW-E and Don Basham, CECW-E |
| 12:00 PM | END OF CONFERENCE | | |
| 1:00 PM - 5:00 PM | Blast Effects | Chemical-Biological | Emergency Repairs To Rapidan Dam; Darrell Morey, CEMVP |
| | AE Perspective on Blast Design - Panel Presentation by Eve Hinman Consulting Engineers, BakerRisk, ARA & Burns & McDonnell; Eve Hinman, Mike Polcyn, Jim Brokaw, Jon Schmidt | Airborne - CBR Building Protection Design; Rich Heiden, PDC | Hydrologic Engineering Research Needs Workshop; David J. (Jeff) Harris, CEIWR-HEC |
| | | Waterborne - CBR Protection; Ernie Lory NAVFAC | The Project's Role in Dam Safety; Stanley Jones, Table Rock Dam, CESWL |
| | Protective Structures Automated Design System (PSADS); Pat Lindsey, PDC | Capabilities and Limitations of Current CBR Filtration Technology; David Tevault, SBCCOM | ER 1110-2-1156 Development; Charles Pearre, CECW-EI |
| | AutoDesigner Demonstration; Tim Knight, PDC | Capabilities and Limitations of Current CBR Detection Technology; Rich Vigus, SBCCOM | Dam Safety Program Management Tools; Tommy Schmidt, CESWD & Mike Grounds, Beacon Resources |
| | Internal Explosions; Tim Knight, PDC | | National Dam Safety Program; Charlie Baldi, CECW-E |
| | Window Design and HAZL; Ed Conrath, PDC | | Dam Safety Conference Summary, Charlie Baldi, CECW-E |